

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A process for producing a homogeneous type solid catalyst component or a homogeneous type solid catalyst comprising a step for removing a fine-powdery component and/or a shapeless component utilizing a difference between their sedimentation velocities ~~of the catalyst component or the catalyst~~ in a solvent.

Al 2. (Currently Amended) A process for producing a homogeneous type solid catalyst component or a homogeneous type solid catalyst comprising, in a washing step in the production of a homogeneous type solid catalyst component or a homogeneous type solid catalyst, a step for removing a fine-powdery component and/or a shapeless component by removing a slurry-form portion before the completion of sedimentation of a fine-powdery component and/or a shapeless component.

3. (Currently Amended) The process according to claim 1, wherein the homogeneous type solid catalyst component or the homogeneous type solid catalyst is a modified particle ~~obtainable~~ obtained by contacting the following (a), the following (b), the following (c) and a particle (d):

(a): a compound represented by the following general formula

[1]:



(b): a compound represented by the following general formula

[2]:



(c): a compound represented by the following general formula

[3]:



Al
+ wherein in the above formulae [1] to [3], ~~respectively,~~ M^1 represents a ~~typical~~ metal atom in the groups I, II, XII, XIV or XV in The Periodic Table, and m represents a valence of M^1 ; L^1 represents a hydrogen atom, a halogen atom or a hydrocarbon group, and in the case where plural L^1 s exist, they may be the same or different; R^1 represents an electron attractive group or a group containing an electron attractive group, and in the case where plural R^1 s exist, they may be the same or different; R^2 represents a hydrocarbon group or a halogenated hydrocarbon group; T represents, independent of each other, an atom in the groups XV or XVI in The Periodic Table, and t represents a valence of T ~~in-respective compounds~~.

4. (Original) The process according to claim 2, wherein the homogeneous type solid catalyst component or the homogeneous type solid catalyst is a modified particle ~~obtainable~~ obtained by contacting the following (a), the following (b), the following (c) and a particle (d):

(a): a compound represented by the following general formula

[1]:



(b): a compound represented by the following general formula

[2]:



(c): a compound represented by the following general formula

[3]:



+ wherein in the above formulae [1] to [3], ~~respectively~~, M^1 represents a ~~typical~~ metal atom in the groups I, II, XII, XIV or XV in The Periodic Table, and m represents a valence of M^1 ; L^1 represents a hydrogen atom, a halogen atom or a hydrocarbon group, and in case where plural L^1 s exist, they may be the same or different; R^1 represents an electron attractive group or a group containing an electron attractive group, and in case where plural R^1 s exist, they may be the same or different; R^2 represents a hydrocarbon group or a halogenated hydrocarbon group; T represents,

independent of each other, an atom in the groups XV or XVI in The Periodic Table, and t represents a valence of T in ~~in-respective compounds~~.

5. (Currently Amended) The process according to claim 1, wherein the homogeneous type solid catalyst component or the homogeneous type solid catalyst is a modified particle ~~obtainable~~ obtained by contacting an aluminoxane (f) and a particle (d).

Al 6. (Currently Amended) The process according to claim 2, wherein the homogeneous type solid catalyst component or the homogeneous type solid catalyst is a modified particle ~~obtainable~~ obtained by contacting an aluminoxane (f) and a particle (d).

7. (Original) The process according to claim 1, wherein the homogeneous type solid catalyst component or the homogeneous type solid catalyst is a modified particle obtainable by contacting an aluminoxane (f) a particle (d) and a transition metal component (g).

8. (Currently Amended) The process according to claim 2, wherein the homogeneous type solid catalyst component or the homogeneous type solid catalyst is a modified particle ~~obtainable~~

obtained by contacting an aluminoxane (f) a particle (d) and a transition metal component (g).

9. (Currently Amended) A homogeneous type solid catalyst component or a homogeneous type solid catalyst ~~obtainable~~ obtained by the process according to claim 1.

10. (Currently Amended) A homogeneous type solid catalyst component or a homogeneous type solid catalyst ~~obtainable~~ obtained by the process according to claim 2.

11. (Original) A process for producing an addition polymer which comprises polymerizing an addition polymerizable monomer using the homogeneous type solid catalyst component or the homogeneous type solid catalyst according to claim 9.

12. (Original) A process for producing an addition polymer which comprises polymerizing an addition polymerizable monomer using the homogeneous type solid catalyst component or the homogeneous type solid catalyst according to claim 10.
